FIG.1

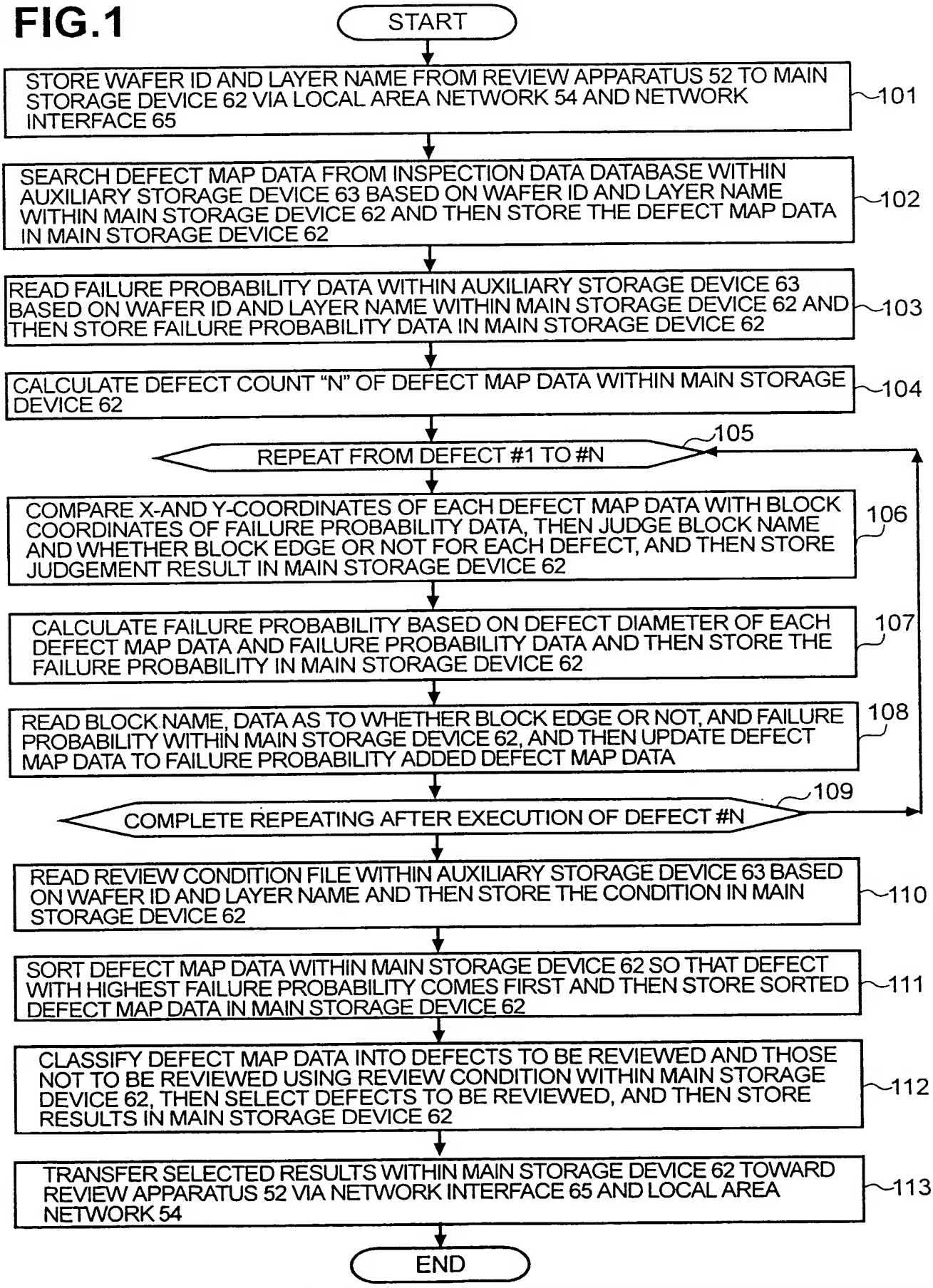


FIG.2

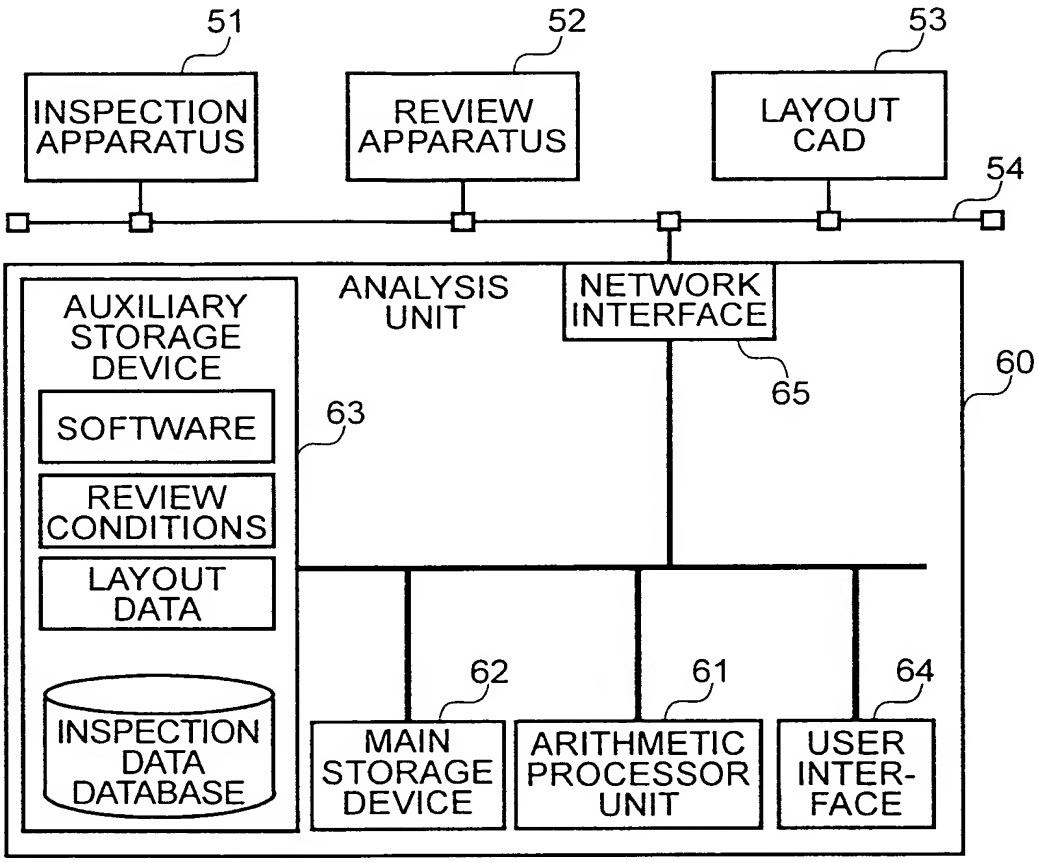


FIG.3

NO.,	CHIP COLUMN,	CHIP ROW,	X,	Y,	DEFECT DIAMETER
1,	1,	1,	73,	67,	2.4
2,	5,	1,	25,	89,	0.3
3,	4,	2,	47,	69,	1.5
4,	5,	3,	80,	82,	1.0
5,	6,	5,	52,	78,	1.2
6,	3,	5,	71,	32,	0.2
7,	3,	7,	87,	90,	0.7
8,	2,	6,	77,	38,	0.3
9,	0,	4,	83,	45,	0.8
10,	2,	3,	49,	9,	1.9

21

FIG.4

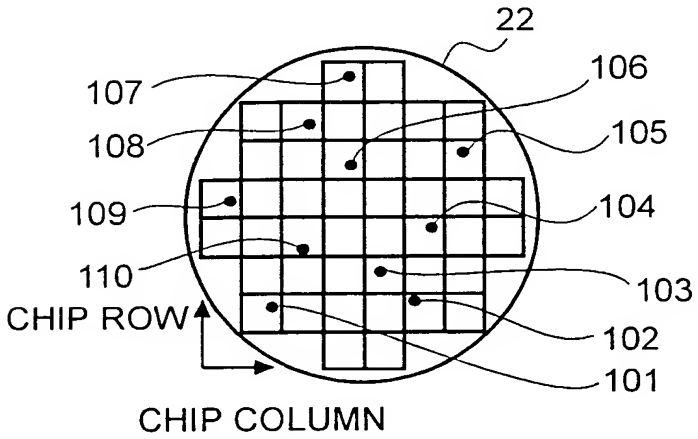

22
107
106
108
105
109
104
110
103
CHIP ROW
102
101
CHIP COLUMN

FIG.5

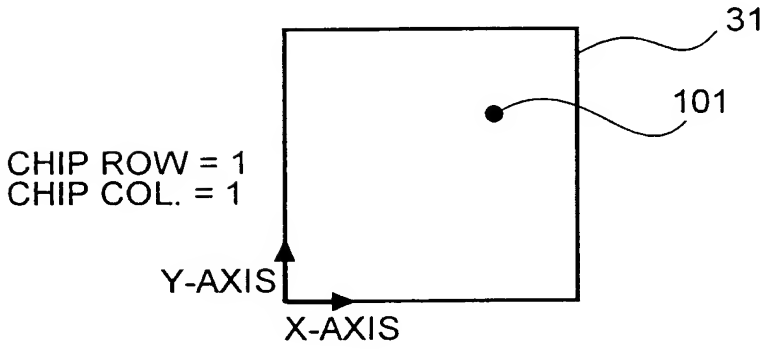

31
101
CHIP ROW = 1
CHIP COL. = 1
Y-AXIS
X-AXIS

FIG.6

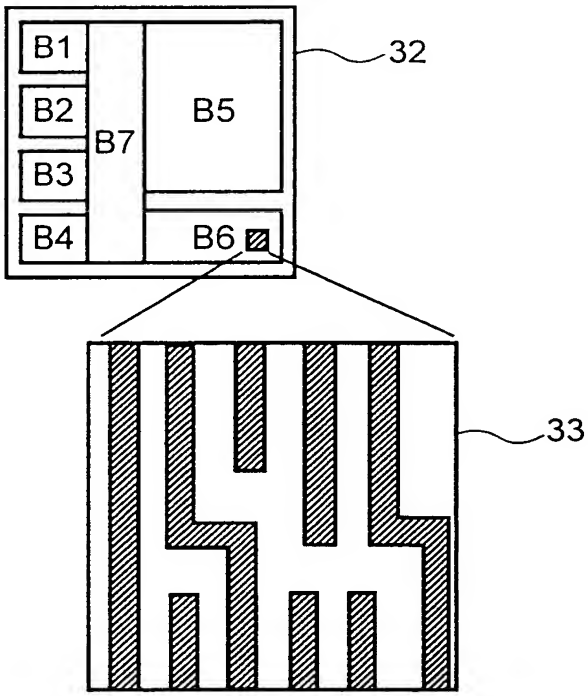


FIG.7

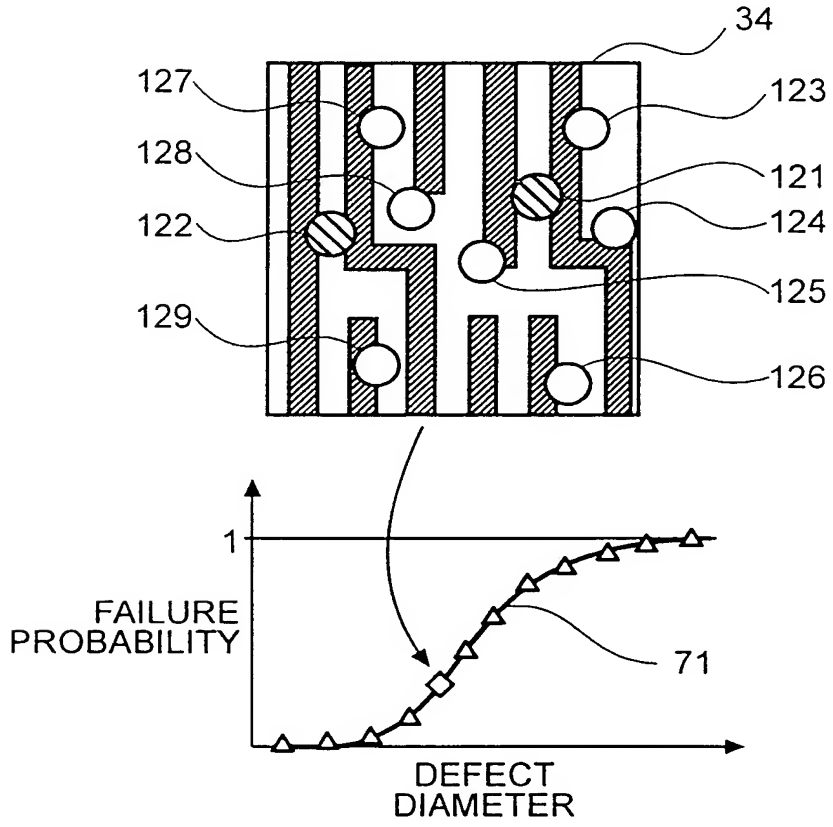

34
127
123
128
121
122
124
125
129
126
1
FAILURE PROBABILITY
71
DEFECT DIAMETER

FIG.8

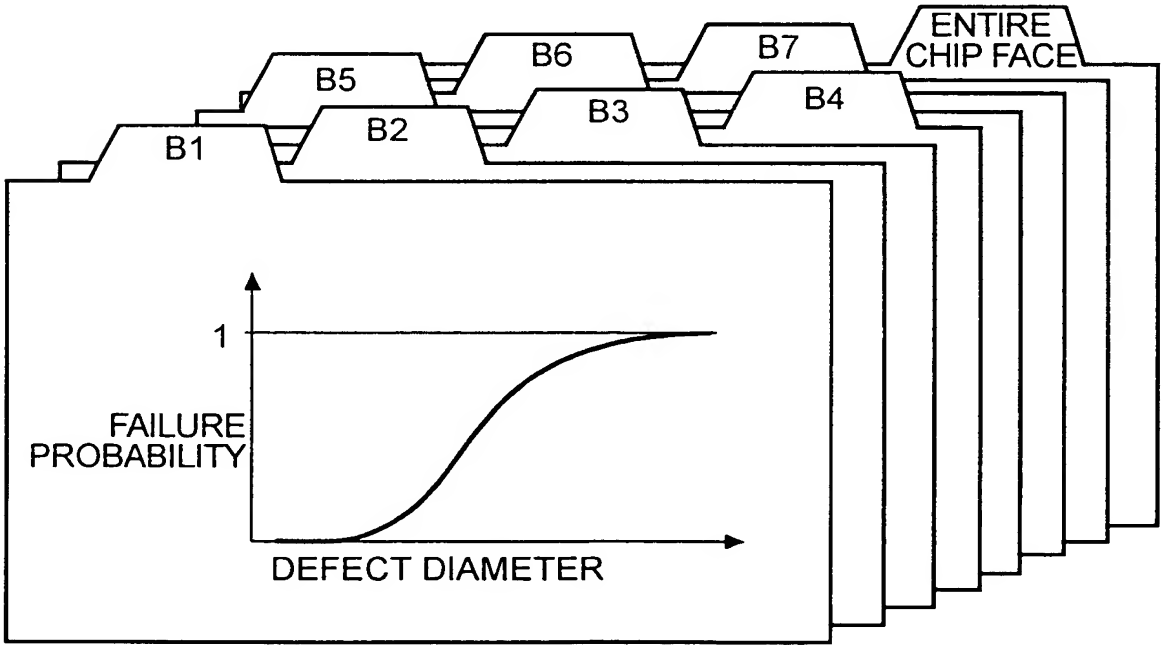

B1
B2
B3
B4
B5
B6
B7
ENTIRE CHIP FACE
1
FAILURE PROBABILITY
DEFECT DIAMETER

FIG.9

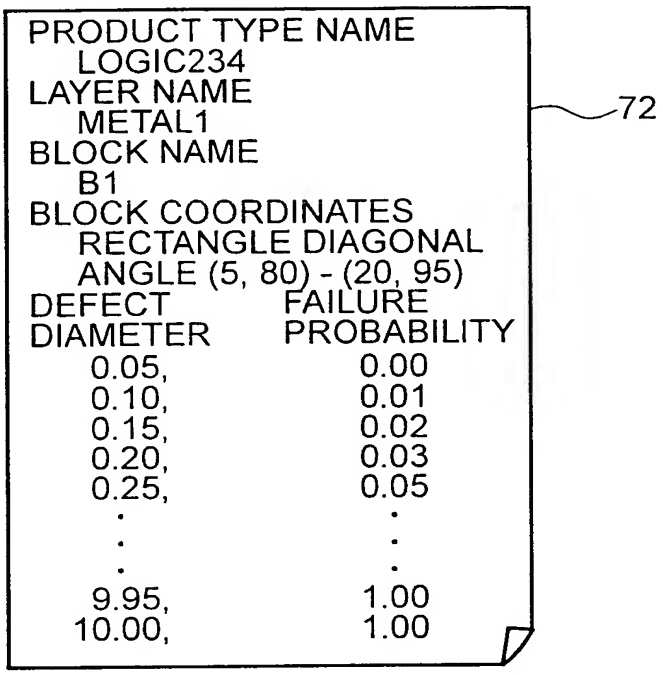

PRODUCT TYPE NAME
LOGIC234
LAYER NAME
METAL1
BLOCK NAME
B1
BLOCK COORDINATES
RECTANGLE DIAGONAL
ANGLE (5, 80) - (20, 95)
DEFECT DIAMETER
FAILURE PROBABILITY
0.05, 0.00
0.10, 0.01
0.15, 0.02
0.20, 0.03
0.25, 0.05
9.95, 1.00
10.00, 1.00
72

FIG.10

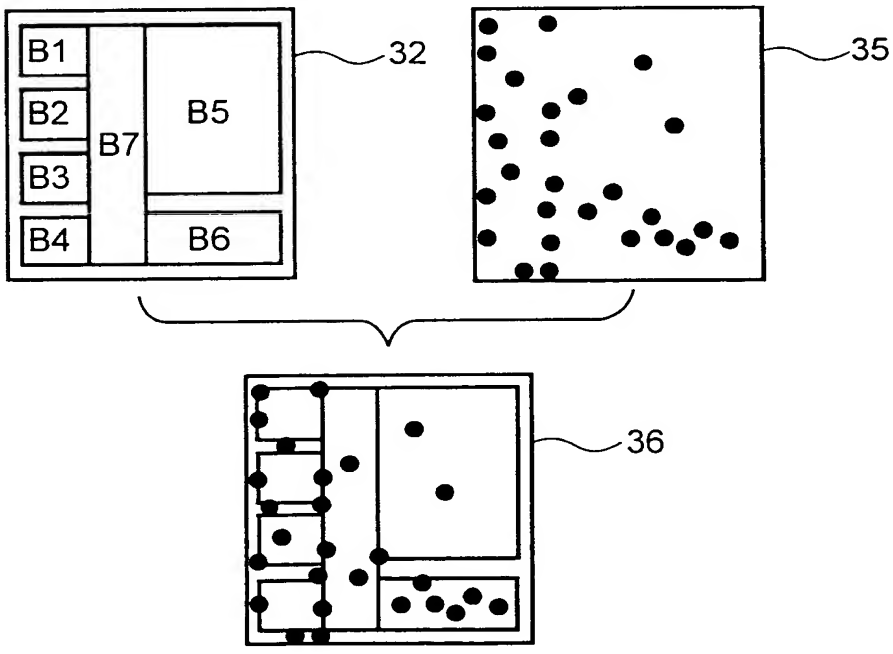

B1
B2
B3
B4
B5
B6
B7
32
35
36

FIG.11

23

NO.,	CHIP COL.,	CHIP ROW,	X,	Y,	SIZE,	BLOCK,	BLOCK EDGE,	FAILURE PROBABILITY
1,	1,	1,	73,	67,	2.4,	B5,	no,	0.83
2,	5,	1,	25,	89,	0.3,	B1,	no,	0.07
3,	4,	2,	47,	69,	1.5,	B2,	no,	0.26
4,	5,	3,	80,	82,	1.0,	B5,	no,	0.38
5,	6,	5,	52,	78,	1.2,	B5,	yes,	0.50
6,	3,	5,	71,	32,	0.2,	B6,	yes,	0.05
7,	3,	7,	87,	90,	0.7,	B5,	no,	0.35
8,	2,	6,	77,	38,	0.3,	B6,	no,	0.07
9,	0,	4,	83,	45,	0.8,	B5,	no,	0.28
10,	2,	3,	49,	9,	1.9,	B7,	no,	0.06

FIG.12

24

NO.,	CHIP COL.,	CHIP ROW,	X,	Y,	SIZE,	BLOCK,	BLOCK EDGE,	FAILURE PROBABILITY
1,	1,	1,	73,	67,	2.4,	B5,	no,	0.83
5,	6,	5,	52,	78,	1.2,	B5,	yes,	0.50
4,	5,	3,	80,	82,	1.0,	B5,	no,	0.38
7,	3,	7,	87,	90,	0.7,	B5,	no,	0.35
9,	0,	4,	83,	45,	0.8,	B5,	no,	0.28
3,	4,	2,	47,	69,	1.5,	B2,	no,	0.26
8,	2,	6,	77,	38,	0.3,	B6,	no,	0.07
2,	5,	1,	25,	89,	0.3,	B1,	no,	0.07
10,	2,	3,	49,	9,	1.9,	B7,	no,	0.06
6,	3,	5,	71,	32,	0.2,	B6,	yes,	0.05

FIG.13

26

NO.,	CHIP COL.,	CHIP ROW,	X,	Y,	SIZE,	BLOCK,	BLOCK EDGE,	FAILURE PROBABILITY
1,	1,	1,	73,	67,	2.4,	B5,	no,	0.83
4,	5,	3,	80,	82,	1.0,	B5,	no,	0.38
7,	3,	7,	87,	90,	0.7,	B5,	no,	0.35
9,	0,	4,	83,	45,	0.8,	B5,	no,	0.28
3,	4,	2,	47,	69,	1.5,	B2,	no,	0.26

FIG.14

27

NO.,	CHIP COL.,	CHIP ROW,	X,	Y,	SIZE,	BLOCK,	BLOCK EDGE,	FAILURE PROBABILITY
3,	4,	2,	47,	69,	1.5,	B2,	no,	0.26
8,	2,	6,	77,	38,	0.3,	B6,	no,	0.07
2,	5,	1,	25,	89,	0.3,	B1,	no,	0.07
10,	2,	3,	49,	9,	1.9,	B7,	no,	0.06
6,	3,	5,	71,	32,	0.2,	B6,	yes,	0.05

FIG.15

25

NO.,	CHIP COL.,	CHIP ROW,	X,	Y,	SIZE,	BLOCK,	BLOCK EDGE,	FAILURE PROBABILITY
1,	1,	1,	73,	67,	2.4,	B5,	no,	0.83
5,	6,	5,	52,	78,	1.2,	B5,	yes,	0.50
4,	5,	3,	80,	82,	1.0,	B5,	no,	0.38
7,	3,	7,	87,	90,	0.7,	B5,	no,	0.35
9,	0,	4,	83,	45,	0.8,	B5,	no,	0.28

FIG.16

41

PRODUCT TYPE NAME
LOGIC234
LAYER NAME
METAL1
MAXIMUM DEFECT NUMBER
20
OBJECT
FAILURE PROBABILITY
0.30 OR GREATER
EXCLUDED
B5
BLOCK EDGES B1, B2

FIG.17

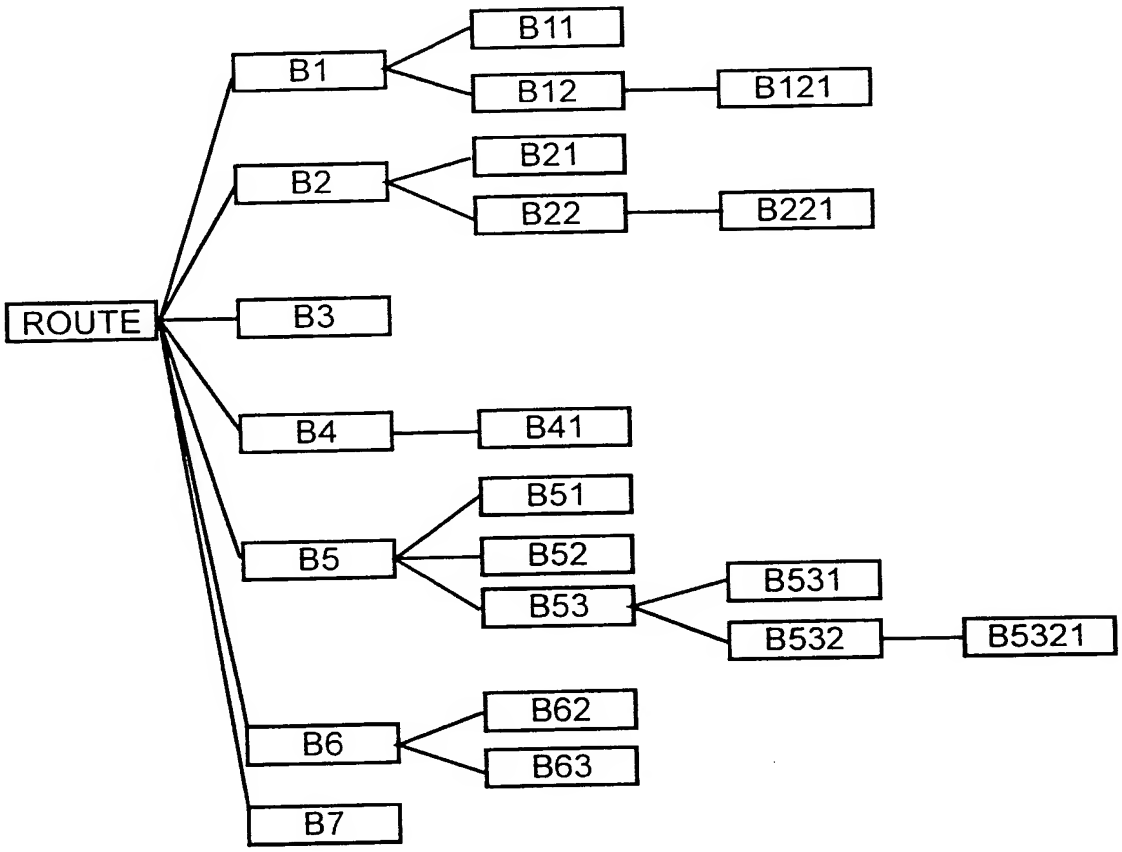

ROUTE
B1
B11
B12
B121
B2
B21
B22
B221
B3
B4
B41
B5
B51
B52
B53
B531
B532
B5321
B6
B62
B63
B7

FIG.18

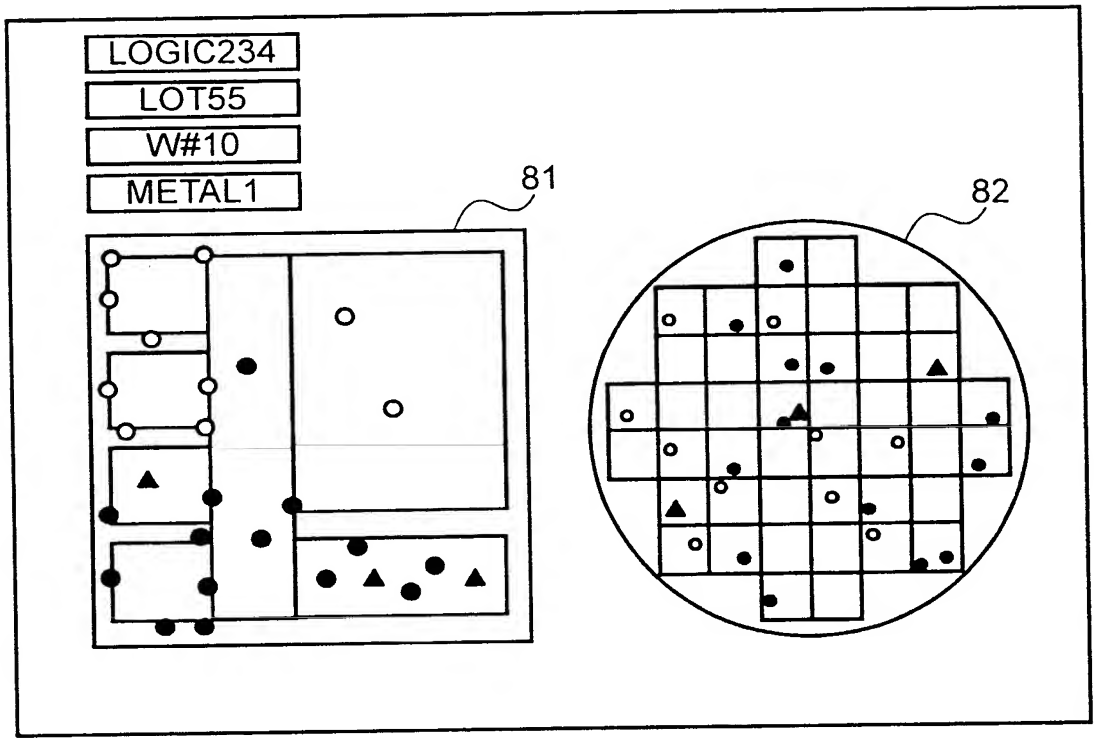
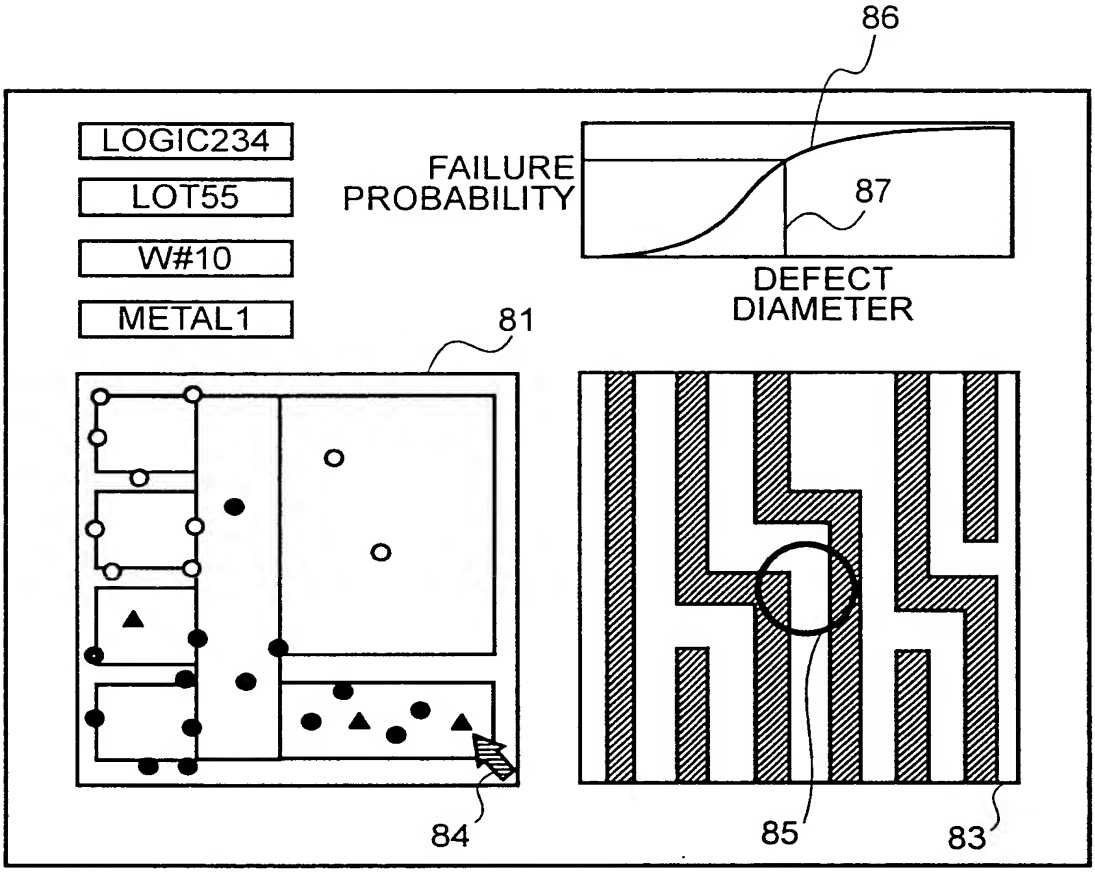


FIG.19


86
LOGIC234
LOT55
W#10
METAL1
FAILURE PROBABILITY
87
DEFECT DIAMETER
81
84
85
83